

NHD High-Resolution Subregions, Accounting Units, and Subbasins for the Navajo Nation



Data format: Shapefile

File or table name: NN_Subbasins

Coordinate system: Geographic

Theme keywords: Hydrologic Unit Boundaries, Hydrologic Unit Codes, Drainage Basins, Cataloging Units, Hydrologic Units, Watersheds

Abstract: This polygon shapefile compiles The National Hydrography Dataset (NHD) High-Resolution (1:24,000 scale) hydrographic units for the Navajo Nation from the NHD Hi-Res NHD Subbasins. This data set includes HUC (Hydrographic Unit Code) 4 (Subregions), HUC 6 (Accounting Units) and HUC 8 (Subbasins) Codes and Names. This file contains Hydrologic Unit boundaries and codes for the United States, Puerto Rico, and the U.S. Virgin Islands. The data is a seamless National representation of Hydrologic Unit Code (HUC) boundaries at HUC2 to HUC12 levels compiled from U.S. Geological Survey (USGS) National Hydrography Dataset (NHD) and U.S. Department of Agricultural (USDA) National Resources Conservation Services (NRCS) Watershed Boundary Dataset (WBD) sources.

FGDC and ESRI Metadata:

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Metadata elements shown with blue text are defined in the Federal Geographic Data Committee's (FGDC) [Content Standard for Digital Geospatial Metadata \(CSDGM\)](#). Elements shown with green text are defined in the [ESRI Profile of the CSDGM](#). Elements shown with a green asterisk (*) will be automatically updated by ArcCatalog. ArcCatalog adds hints indicating which FGDC elements are mandatory; these are shown with gray text.

Identification Information:

Citation:

Citation information:

Originators: U.S. Geological Survey (USGS) Water Resources Division (WRD) and U.S. Department of Agricultural (USDA) Natural Resources Conservation Service (NRCS) Watershed Boundaries Dataset (WBD).

Title:

NHD High-Resolution Subregions, Accounting Units, and Subbasins for the Navajo Nation

***File or table name:** NN_Subbasins

Publication date: Unknown

***Geospatial data presentation form:** vector digital data

Online linkage:

[\\Terra_dc\Navajo\NAUM_NN_Summary\Work\Water\AUM_Drainages\NHD_HiRes\NHDH1302.mdb](#)

Description:

Abstract:

This polygon shapefile compiles The National Hydrography Dataset (NHD) High-Resolution (1:24,000 scale) hydrographic units for the Navajo Nation from the NHD Hi-Res NHD Subbasins. This data set includes HUC (Hydrographic Unit Code) 4 (Subregions), HUC 6 (Accounting Units) and HUC 8 (Subbasins) Codes and Names.

This file contains Hydrologic Unit boundaries and codes for the United States, Puerto Rico, and the U.S. Virgin Islands. The data is a seamless National representation of Hydrologic Unit Code (HUC) boundaries at HUC2 to HUC12 levels compiled from U.S. Geological Survey (USGS) National Hydrography Dataset (NHD) and U.S. Department of Agricultural (USDA) National Resources Conservation Services (NRCS) Watershed Boundary Dataset (WBD) sources.

Purpose:

This data is intended primarily for geographic display and analysis of regional and national data, and can also be used for illustration purposes at intermediate or small scales (1:250,000 to 1:2,000,000).

***Language of dataset:** en

Time period of content:

Time period information:

Single date/time:

Calendar date: REQUIRED: The year (and optionally month, or month and day) for which the data set corresponds to the ground.

Currentness reference:

See dataset specific metadata.

Status:

Progress: In work

Maintenance and update frequency: Irregular

Spatial domain:

Bounding coordinates:

***West bounding coordinate:** -115.705597

***East bounding coordinate:** -105.200981

***North bounding coordinate:** 39.303436

***South bounding coordinate:** 33.115932

Local bounding coordinates:

***Left bounding coordinate:** -115.705597

***Right bounding coordinate:** -105.200981

***Top bounding coordinate:** 39.303436

***Bottom bounding coordinate:** 33.115932

Keywords:

Theme:

Theme keywords: Hydrologic Unit Boundaries, Hydrologic Unit Codes, Drainage Basins, Cataloging Units, Hydrologic Units, Watersheds

Theme keyword thesaurus: U.S. Department of the Interior, U.S. Geological Survey, 1999, Standards for National Hydrography Dataset. (<http://mapping.usgs.gov/standards/>)

Place:

Place keywords: US

Place keyword thesaurus: U.S. Department of Commerce, 1977, Countries, dependencies, areas of sovereignty, and their principal administrative divisions (Federal Information Processing Standard 10-3): Washington, D.C., National Institute of Standards and Technology.

Access constraints: None. Acknowledgment of the originating agencies would be appreciated in products derived from these data.

Use constraints:

These data were digitized and edited from best available sources at a scales ranging from 1:24,000, or better, up to 1:2,000,000. This data is not intended to be the authoritative source for hydrologic units, but only as a reference to NHD data that has some interdependencies with hydrologic unit delineation for reach code assignments.

Point of contact:

Contact information:

Contact organization primary:

Contact organization: NRCS (<http://www.nrcs.usda.gov/>)

Data set credit:

Original data from the USGS Water Resources Division (WRD), NHD, and the USDA NRCS Watershed Boundary Dataset (WBD). Other updates contributed by U.S. Environmental Protection Agency (EPA), U.S. Forest Service and USGS NHD program data compilers as well as various State, Regional and Local agencies.

***Native dataset format:** Shapefile

***Native data set environment:**

Microsoft Windows XP Version 5.1 (Build 2600) Service Pack 2; ESRI ArcCatalog 9.1.0.780

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Data Quality Information:

Lineage:

Process step:

Process description:

Six HUC 4 Subregion Geodatabases were downloaded from USGS via <http://nhd.usgs.gov/data.html>:

1302, Rio Grande-Elephant Butte
1407, Upper Colorado-Dirty Devil
1408, San Juan
1501, Lower Colorado-Lake Mead
1502, Little Colorado
1506, Salt

The Subbasin features were exported to shapefiles and merged into a single shapefile.

Process software and version: ESRI ArcGIS 9.1

Process date: July 2007

Process contact:

Contact information:

Contact organization primary:

Contact organization: TerraSpectra Geomatics

Contact address:

Address type: mailing and physical address

Address:

2700 E Sunset Rd, Ste A-10

City: Las Vegas

State or province: NV

Postal code: 89120

Country: USA

Contact voice telephone: 702-795-8254

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Spatial Data Organization Information:

*Direct spatial reference method: Vector

Point and vector object information:

SDTS terms description:

- *Name: NN_Subbasins
- *SDTS point and vector object type: G-polygon
- *Point and vector object count: 74

ESRI terms description:

- *Name: NN_Subbasins
- *ESRI feature type: Simple
- *ESRI feature geometry: Polygon
- *ESRI topology: FALSE
- *ESRI feature count: 74
- *Spatial index: FALSE
- *Linear referencing: FALSE

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Spatial Reference Information:

Horizontal coordinate system definition:

Coordinate system name:

- *Geographic coordinate system name: GCS_North_American_1983

Geographic:

- *Latitude resolution: 0.000000
- *Longitude resolution: 0.000000
- *Geographic coordinate units: Decimal degrees

Geodetic model:

- *Horizontal datum name: North American Datum of 1983
- *Ellipsoid name: Geodetic Reference System 80
- *Semi-major axis: 6378137.000000
- *Denominator of flattening ratio: 298.257222

Vertical coordinate system definition:

Altitude system definition:

- Altitude datum name: National Geodetic Vertical Datum of 1929
- Altitude resolution: 0.000100
- Altitude distance units: meters
- Altitude encoding method: Explicit elevation coordinate included with horizontal coordinates

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Entity and Attribute Information:

Detailed description:

- *Name: NN_Subbasins

Entity type:

***Entity type label:** NN_Subbasins

***Entity type type:** Feature Class

***Entity type count:** 74

Entity type definition:

HUC Level 1

Attribute:

Attribute label: Shape

Attribute definition:

Feature geometry.

Attribute definition source:

ESRI

Attribute domain values:

Unrepresentable domain:

Coordinates defining the features.

Attribute:

Attribute label: HUC_8

Attribute:

Attribute label: HU_8_Name

***Attribute type:** String

***Attribute width:** 8

Attribute:

***Attribute label:** FID

***Attribute alias:** FID

***Attribute definition:**

Internal feature number.

***Attribute definition source:**

ESRI

***Attribute type:** String

***Attribute width:** 60

Attribute domain values:

***Unrepresentable domain:**

Sequential unique whole numbers that are automatically generated.

Attribute:

***Attribute label:** HUC_6

***Attribute alias:** HUC_6

***Attribute type:** String

***Attribute width:** 6

Attribute:

***Attribute label:** HU_6_Name

***Attribute alias:** HU_6_Name

***Attribute type:** String

***Attribute width:** 30

Attribute:

***Attribute label:** HUC_4

***Attribute alias:** HUC_4

***Attribute type:** String

***Attribute width:** 4

Attribute:

***Attribute label:** HU_4_Name

***Attribute alias:** HU_4_Name

***Attribute type:** String

***Attribute width:** 30

Detailed description:**Entity type:**

Entity type label: Subregion

Entity type definition:

HUC Level 2

Attribute:

Attribute type:

Attribute:

Attribute width:

Detailed description:**Entity type:**

Entity type label: Basin

Entity type definition:

HUC Level 3

Attribute:

Attribute type:

Attribute:

Attribute width:

Detailed description:**Entity type:**

Entity type label: Subbasin

Entity type definition:

HUC Level 4

Attribute:

Attribute type:

Attribute:

Attribute width:

Detailed description:**Entity type:**

Entity type label: Watershed

Entity type definition:

HUC Level 5

Attribute:

Attribute type:

Attribute:

Attribute width:

Detailed description:**Entity type:**

Entity type label: Subwatershed

Entity type definition:

HUC Level 6

Attribute:**Attribute type:****Attribute:****Attribute width:****Overview description:****Dataset overview:**

There are 74 polygons.

Entity and attribute overview:

There are six thematic attributes:

HUC_8 - Subbasin Code
 HU_8_Name - Subbasin Name
 HUC_6 - Accounting Unit Code
 HU_6_Name - Accounting Unit Name
 HUC_4 - Subregion Code
 HU_4_Name - Subregion Name

The NHD data are described in the following Acrobat PDF files included in the DB/Water directory:

chp1_data_users_guide.pdf
 NHDinGEO_FCodes_by_layer.pdf

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Distribution Information:**Standard order process:****Digital form:****Digital transfer information:**

***Transfer size:** 3.598

***Dataset size:** 3.598

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Metadata Reference Information:

***Metadata date:** 20070804

***Language of metadata:** en

Metadata contact:**Contact information:****Contact organization primary:**

Contact person: REQUIRED: The person responsible for the metadata information.

Contact organization: U.S. Geological Survey

Contact address:

Address type: mailing address

Address:

507 National Center

City: Reston

State or province: VA

Postal code: 20192

Country: USA

Contact voice telephone: 1 888 ASK USGS

Contact voice telephone: 1 888 276 8747

Contact electronic mail address: ask@usgs.gov

Hours of service: 0800-1600 Eastern Time

Contact instructions:

In addition to the address above there are other ESIC offices throughout the country. A full list of these offices is at URL: <http://mapping.usgs.gov/esic/esic_index.html>

***Metadata standard name:** FGDC Content Standards for Digital Geospatial Metadata

***Metadata standard version:** FGDC-STD-001-1998

***Metadata time convention:** local time

Metadata extensions:

Online linkage: <http://www.esri.com/metadata/esriprof80.html>

Profile name: ESRI Metadata Profile

Metadata extensions:

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Binary Enclosures:

Thumbnail:

Enclosure type: Picture



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